



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application for:

Yibin Ye et al.

Application No.: 10/749,734

Filed: 12/30/2003

For: A 1P1N 2T GAIN CELL

Examiner: Not Yet Assigned

Art Group: 2818

Confirmation No. 9041

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Typed or Printed: Heather L. Adamson

Signature: Heather L. Adamson Date: 10/29/2004

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Sir:

Pursuant to 37 C.F.R. § 1.97(g), the submission of this Information Disclosure Statement (IDS) is not to be construed as a representation that a search has been made, and, pursuant to 37 C.F.R. § 1.97(h), the submission of this IDS is not to be construed as an admission that the information cited in this IDS is material to patentability.

This IDS is being submitted under one or more of the following sections of 37

C.F.R. § 1.97 (as indicated by an "X" to the left of the appropriate paragraph(s)):

 X 37 C.F.R. § 1.97(b). Filed:

- (1) Within three months of a National Application other than a CPA;
- (2) Within three months of entry into National Stage;
- (3) Before mailing of a first Office Action on the merits; or
- (4) Before mailing of a first Office Action after filing an RCE.

 37 C.F.R. § 1.97(c). Filed before the mailing of a Final Office Action, Notice of Allowance, or an action that otherwise closes prosecution.
And, ONE of the following:

(1) One statement from 37 C.F.R. § 1.97(e);

 (e)(1) The person signing below certifies that each item of information contained in this IDS was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS; or

 (e)(2) The person signing below certifies that no item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing below after making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 1.56(c) more than three months prior to filing this IDS.

OR

(2) The fee set forth in 37 C.F.R. § 1.17(p).

 A check in the amount of \$180.00 is enclosed.

 37 C.F.R. § 1.97(d). Filed on or before payment of the issue fee.
And, BOTH of the following:

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 (e)(2) The person signing below certifies that no item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing below after making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 1.56(c) more than three months prior to filing this IDS.

AND

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Accompanying this IDS is a list of references and a copy of each reference listed therein, EXCEPT copies of references waived under:

(A) one or more of the following sections of 37 C.F.R. § 1.98 (as indicated by an "X" to the left of the appropriate paragraph(s)):

_____ 37 C.F.R. § 1.98(c) as being cumulative (marked with an "*" on the Form PTO-1449).

_____ 37 C.F.R. § 1.98(d) as being previously submitted in parent application
_____/_____, to which the present application claims priority under 35
U.S.C. § 120.

(B) 1273 Off. Gaz. Pat. Office 55 as being submitted with respect to an application filed after June 30, 2003.

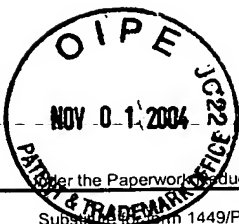
The Commissioner is hereby authorized to charge shortages or credit overpayments to Deposit Account No. 500393. A Fee Transmittal is enclosed in duplicate for fee processing purposes.

Respectfully submitted,
Schwabe, Williamson & Wyatt, P.C.

Dated: 29 Oct 07

Robert Watt
Robert Watt
Registration No. 45,890

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1211 SW Fifth Avenue
Portland, Oregon 97204
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PTO/SB/08A (08-03)

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Substitution Form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/749,734
Filing Date	12/30/2003
First Named Inventor	Yibin Ye
Art Unit	2818
Examiner Name	Not Yet Assigned
Attorney Docket Number	110350-134110

Sheet 1 of 5

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	1	US- 5,122,986	06/16/1992	Lim	
	2	US- 5,838,203	11/17/1998	Stamoulis et al.	
	3	US- 5,943,270	08/24/1999	Borkar	
	4	US- 5,986,473	11/16/1999	Krishnamurthy et al.	
	5	US- 6,002,272	12/14/1999	Somasekhar et al.	
	6	US- 6,014,041	01/11/2000	Somasekhar et al.	
	7	US- 6,100,751	08/08/2000	De et al.	
	8	US- 6,154,045	11/28/2000	Ye et al.	
	9	US- 6,169,419 B1	01/02/2001	De et al.	
	10	US- 6,181,608 B1	01/30/2001	Keshavarzi et al.	
	11	US- 6,191,606 B1	02/20/2001	Ye et al.	
	12	US- 6,218,892 B1	04/17/2001	Soumyanath et al.	
	13	US- 6,218,895 B1	04/17/2001	De et al.	
	14	US- 6,232,827 B1	05/15/2001	De et al.	
	15	US- 6,272,666 B1	08/07/2001	Borkar et al.	
	16	US- 2001/0011917 A1	08/09/2001	Kim et al.	
	17	US- 6,275,071 B1	08/14/2001	Ye et al.	
	18	US- 6,300,819 B1	10/09/2001	De et al.	
	19	US- 6,316,960 B2	11/13/2001	Ye	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ *Number ⁴ *Kind Code ⁵ (if known)				

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Sheet 2 of 5

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	20	US- 6,329,874 B1	12/11/2001	Ye et al.	
	21	US- 6,351,156 B1	02/26/2002	Hamzaoglu et al.	
	22	US- 6,400,206 B2	06/04/2002	Kim et al.	
	23	US- 2002/0067189 A1	06/06/2002	Ye et al.	
	24	US- 2002/0070781 A1	06/13/2002	Vangal et al.	
	25	US- 6,411,156 B1	06/25/2002	Borkar	
	26	US- 6,421,269 B1	07/16/2002	Somasekhar et al.	
	27	US- 6,421,289 B1	07/16/2002	Lu et al.	
	28	US- 6,459,316 B1	10/01/2002	Vangal et al.	
	29	US- 6,486,706 B2	11/26/2002	Ye et al.	
	30	US- 2002/0175726 A1	11/28/2002	Vangal et al.	
	31	US- 2002/0184285 A1	12/05/2002	Pangal et al.	
	32	US- 6,492,837 B1	12/10/2002	Narendra et al.	
	33	US- 6,496,040 B1	12/17/2002	Narendra et al.	
	34	US- 6,496,402 B1	12/17/2002	Somasekhar et al.	
	35	US- 2002/0194240 A1	12/19/2002	Pangal et al.	
	36	US- 6,509,772 B1	01/21/2003	Ye et al.	
	37	US- 6,515,513 B2	02/04/2003	Ye et al.	
	38	US- 6,519,176 B1	02/11/2003	Hamzaoglu et al.	

FOREIGN PATENT DOCUMENTS

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Sheet 3 of 5**Complete if Known**

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Filing Date	12/30/2003
First Named Inventor	Yibin Ye
Art Unit	2818
Examiner Name	Not Yet Assigned
Attorney Docket Number	110350-134110

U. S. PATENT DOCUMENTS

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	39	US- 2003/0030466 A1	02/13/2003	Narendra et al.	
	40	US- 6,529,045 B2	03/04/2003	Ye et al.	
	41	US- 6,545,619 B1	04/08/2003	Segura et al.	
	42	US- 6,567,329 B2	05/20/2003	Somasekhar et al.	
	43	US- 6,593,799 B2	07/15/2003	De et al.	
	44	US- 6,597,223 B2	07/22/2003	Vangal et al.	
	45	US- 6,608,786 B2	08/19/2003	Somasekhar et al.	
	46	US- 6,653,866 B2	11/25/2003	Narendra et al.	
	47	US- 6,701,339 B2	03/02/2004	Vangal et al.	
	48	US- 6,707,708 B1	03/16/2004	Alvandpour et al.	
	49	US- 6,707,755 B1	03/16/2004	Somasekhar et al.	
	50	US- 6,721,222 B2	04/13/2004	Somasekhar et al.	
	51	US- 6,724,648 B2	04/20/2004	Khellah et al.	
	52	US- 6,724,649 B1	04/20/2004	Ye et al.	
	53	US- 6,734,498 B2	05/11/2004	Keshavarzi et al.	
	54	US- 6,737,924 B1	05/18/2004	Paillet et al.	
	55	US- 6,744,301 B1	06/01/2004	Tschanz et al.	
	56	US- 6,757,784 B2	06/29/2004	Lu et al.	
	57	US- 6,765,414 B2	07/20/2004	Keshavarzi et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	4
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Complete if Known

Application Number	10/749,734
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Filing Date	12/30/2003
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First Named Inventor	Yibin Ye
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Art Unit	2818
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Examiner Name	Not Yet Assigned
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Attorney Docket Number	110350-134110
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U. S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Complete if Known	
		Application Number	10/749,734
		Filing Date	12/30/2003
		First Named Inventor	Yibin Ye
		Art Unit	2818
		Examiner Name	Not Yet Assigned
Sheet 5	of 5	Attorney Docket Number	110350-134110

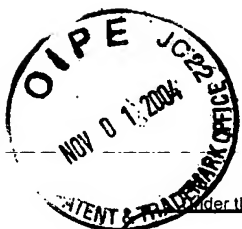
NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	62	IKEDA, N., et al., "A Novel Logic Compatible Gain Cell with two Transistors and one Capacitor," ULSI R&D Laboratories, LSI Business & Technology Group,	
		C.N.C., Sony Corporation, Japan, 2000 Symposium on VLSI Technology Digest of Technical Papers, IEEE, pp. 168-169	

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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/749,734
	Filing Date	12/30/2003
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	Art Unit	2818
	Examiner Name	Not Yet Assigned
Total Number of Pages in This Submission	Attorney Docket Number	110350-134110

ENCLOSURES (Check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Copy of 1 IDS Reference; Return Receipt Postcard
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT		
Firm Name	Schwabe, Williamson & Wyatt, P.C.	
Signature		
Printed name	Robert Watt	
Date	29 OCT 04	Reg. No. 45,890

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Signature		
Typed or printed name	Heather L. Adamson	Date 10/29/2004

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FEE TRANSMITTAL for FY 2005

Effective 10/01/2004. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT

(\$ 0.00)

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Examiner Name	Not Yet Assigned
Art Unit	2818
Attorney Docket No.	110350-134110

METHOD OF PAYMENT (check all that apply)☐ Check ☐ Credit card ☐ Money Order ☐ Other ☒ None☒ Deposit Account:

Deposit Account Number	500393
Deposit Account Name	Schwabe Williamson et al.

The Director is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Credit any overpayments☒ Charge any additional fee(s) or any underpayment of fee(s)☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.**FEE CALCULATION****1. BASIC FILING FEE**

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1001 790	2001 395	Utility filing fee	
1002 350	2002 175	Design filing fee	
1003 550	2003 275	Plant filing fee	
1004 790	2004 395	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	
SUBTOTAL (1)			(\$ 0.00)

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

	Extra Claims	Fee from below	Fee Paid
Total Claims	-20** =	X	
Independent Claims	- 3** =	X	
Multiple Dependent			

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
1202 18	2202 9	Claims in excess of 20
1201 88	2201 44	Independent claims in excess of 3
1203 300	2203 150	Multiple dependent claim, if not paid
1204 88	2204 44	** Reissue independent claims over original patent
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2)

(\$ 0.00)

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65		Surcharge - late filing fee or oath	
1052 50	2052 25		Surcharge - late provisional filing fee or cover sheet	
1053 130	1053 130		Non-English specification	
1812 2,520	1812 2,520		For filing a request for <i>ex parte</i> reexamination	
1804 920*	1804 920*		Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*		Requesting publication of SIR after Examiner action	
1251 110	2251 55		Extension for reply within first month	
1252 430	2252 215		Extension for reply within second month	
1253 980	2253 490		Extension for reply within third month	
1254 1,530	2254 765		Extension for reply within fourth month	
1255 2,080	2255 1,040		Extension for reply within fifth month	
1401 340	2401 170		Notice of Appeal	
1402 340	2402 170		Filing a brief in support of an appeal	
1403 300	2403 150		Request for oral hearing	
1451 1,510	1451 1,510		Petition to institute a public use proceeding	
1452 110	2452 55		Petition to revive - unavoidable	
1453 1,370	2453 685		Petition to revive - unintentional	
1501 1,370	2501 685		Utility issue fee (or reissue)	
1502 490	2502 245		Design issue fee	
1503 660	2503 330		Plant issue fee	
1460 130	1460 130		Petitions to the Commissioner	
1807 50	1807 50		Processing fee under 37 CFR 1.17(q)	
1806 180	1806 180		Submission of Information Disclosure Stmt	
8021 40	8021 40		Recording each patent assignment per property (times number of properties)	
1809 790	2809 395		Filing a submission after final rejection (37 CFR 1.129(a))	
1810 790	2810 395		For each additional invention to be examined (37 CFR 1.129(b))	
1801 790	2801 395		Request for Continued Examination (RCE)	
1802 900	1802 900		Request for expedited examination of a design application	

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 0.00)**SUBMITTED BY**

(Complete if applicable)

Name (Print/Type)	Robert Watt	Registration No. (Attorney/Agent)	45,890	Telephone	503-222-9981
Signature		Date			

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

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